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(54) Title: A SAFETY SYRINGE SEALING SYSTEM AND METHOD OF USE

(57) Abstract: A safety syringe sealing system and method of use is disclosed. The safety syringe sealing system includes the combination of a safety syringe and a plug. The safety syringe includes a barrel, a needle, a plunger and a needle sheath. The needle sheath is movable between a retracted position where the needle is exposed, to an extended position where the needle is protected, the needle sheath defining an open end. There is a plug that is engageable with the open end of the needle sheath when the needle sheath is in the extended position. The sealing system can also include a pharmaceutical pig, having a base and cap, where the base and cap define a hollow center section that is capable of receiving the safety syringe. Therefore, the safety syringe, having a plugged needle sheath, may be sealed within the pharmaceutical pig to prevent leakage and inadvertent exposure.